

## Senate Resolution 108 - Introduced

### SENATE RESOLUTION NO. 108

BY QUIRMBACH

1 A Resolution recognizing Dr. Dan Shechtman of the Iowa  
2 State University College of Engineering, the United  
3 States Department of Energy's Ames Laboratory, and  
4 Technion-Israel Institute of Technology on his  
5 receipt of the 2011 Nobel Prize in Chemistry.  
6 WHEREAS, Dr. Shechtman serves as a professor  
7 of materials science and engineering at Iowa State  
8 University; research scientist at the United  
9 States Department of Energy's Ames Laboratory; and  
10 distinguished professor at Technion-Israel Institute of  
11 Technology in Haifa, Israel; and  
12 WHEREAS, on the morning of April 8, 1982, Dr.  
13 Shechtman discovered the existence of quasicrystals, a  
14 new atomic structure for solid materials; and  
15 WHEREAS, this structure was previously thought  
16 to be impossible by the scientific and engineering  
17 community; and  
18 WHEREAS, Dr. Shechtman endured significant  
19 skepticism and criticism from professional peers but  
20 stood firm in his convictions and in the accuracy and  
21 import of this discovery; and  
22 WHEREAS, Dr. Shechtman's findings were independently  
23 confirmed by other researchers around the world,  
24 including scientists at the United States Department of  
25 Energy's Ames Laboratory and Iowa State University; and  
26 WHEREAS, the discovery of quasicrystals resulted in  
27 textbooks being rewritten; and  
28 WHEREAS, the discovery of quasicrystals has

1 increased knowledge and the fundamental understanding  
2 of solid materials; and

3 WHEREAS, in 2004, Dr. Shechtman joined Iowa State  
4 University as a professor of materials science and  
5 engineering in the College of Engineering and the  
6 United States Department of Energy's Ames Laboratory,  
7 as a research scientist; and

8 WHEREAS, he continues to teach students and conduct  
9 research in Iowa; and

10 WHEREAS, in recognition of his groundbreaking  
11 scientific achievements, the Royal Swedish Academy of  
12 Sciences awarded Dr. Shechtman the 2011 Nobel Prize in  
13 Chemistry; NOW THEREFORE,

14 BE IT RESOLVED BY THE SENATE, That the Senate honors  
15 Dr. Dan Shechtman for his groundbreaking discovery of  
16 quasicrystals, his perseverance, and his contributions  
17 to teaching and research at Iowa State University and  
18 the Ames Laboratory, which culminated in his receipt of  
19 the 2011 Nobel Prize in Chemistry.